03460795 PIGEON RIVER BELOW POWER PLANT NEAR WATERVILLE, NC-Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1997 to current year.

PERIOD OF DAILY RECORD.--WATER TEMPERATURE: Water years 1997 to current year. DISSOLVED OXYGEN: Water years 1997 to current year.

INSTRUMENTATION .-- Water-quality monitor since May 1997.

REMARKS.--Interruptions in the data are due to malfunctions of the monitor. Data were collected during the current year for the months of October 2003, May through September 2004.

EXTREMES FOR PERIOD OF DAILY RECORD .--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
WATER TEMPERATURE, °C	24.9, August 14, 2002	6.8, June 2, 2001
DISSOLVED OXYGEN, mg/L	12.4, September 17, 2004	3.1, November 1, 1998

EXTREMES FOR CURRENT YEAR .--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
WATER TEMPERATURE, °C	22.6, July 25	14.2, September 22
DISSOLVED OXYGEN, mg/L	12.4, September 17	4.7, August 19

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
	OCTOBER			NOVEMBER			D	ECEMBE	ER	JANUARY			
1 2	17.8 16.9	16.6 15.8	16.9 16.5										
3	10.9	15.6	10.5										
4	16.3	15.5	15.8										
5	16.3	15.4	15.8										
3	10.5	13.4	13.0										
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
21 22													
22													
24													
25 25													
23													
26													
27													
28													
29													
30													
31													
MONTH													

TENNESSEE RIVER BASIN

03460795 PIGEON RIVER BELOW POWER PLANT NEAR WATERVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
		FEBRUAR	Y		MARCH			APRIL			MAY	
1												
2 3												
4												
5												
6 7												
8												
9												
10												
11												
12 13												
14												
15												
16												
17 18												
19												
20										18.7	17.4	18.0
21										18.9	17.7	18.2
22 23										18.6	17.9 	18.3
23 24												
25										19.2	18.0	18.6
26										19.2	18.5	18.9
27										19.6	18.6	19.2
28 29										19.4 19.7	18.7 18.5	19.1 19.1
30										19.5	18.6	19.0
31										19.3	18.4	18.9
MONTH												
		JUNE			JULY		AUGUST			SEPTEMBER		
1	19.3	17.2	18.3	19.9	17.2	18.9	21.6	20.8	21.4	21.6	20.7	21.1
2 3	19.2 19.3	16.1 17.9	18.3 18.7	20.4	17.3	19.0				21.4 21.9	20.7 21.3	21.1 21.6
4	19.6	18.1	18.9				21.2	18.5	20.0	21.9	20.9	21.5
5	19.6	18.0	18.8				21.4	19.1	20.6	21.8	20.5	21.1
6	18.9	18.0	18.5				20.6	18.2	19.5	21.7	20.6	21.2
7 8	19.6	18.2	18.8	20.7	16.4	10.0	20.9 20.4	17.2	19.1	21.8	20.3	21.4
9	19.6 19.9	18.6 18.8	19.1 19.3	20.7 20.7	16.4 18.1	19.0 19.6	20.4	17.4 18.2	18.8 19.4	21.7 17.3	17.3 16.6	18.9 17.0
10	20.2	18.9	19.5	20.9	17.1	19.2	20.6	18.5	19.6	17.6	16.6	16.9
11	20.3	19.2	19.8	20.8	17.7	19.1	20.6	19.1	19.9	17.9	16.6	17.0
12	20.5	19.6	20.0	21.4	18.6	20.3	20.7	18.9	20.0	17.7	16.9	17.2
13 14	20.2 20.3	19.4 19.2	19.8 19.7	21.6 21.8	18.8 18.7	20.5 20.7	20.3 20.2	18.4 18.1	19.5 19.1	17.9 17.5	16.8 16.9	17.2 17.1
15	20.4	19.6	20.0	21.7	19.2	20.7	20.0	18.2	18.9	17.4	17.1	17.2
16	20.9	20.2	20.5	21.8	19.4	20.5	20.2	18.3	19.3	17.7	17.3	17.4
17	20.9	19.5	20.4	21.7	19.8	20.7	20.2	19.0	19.8	18.4	16.8	17.6
18 19	20.4 21.2	19.0 18.8	19.8 20.0	21.7 21.8	18.3 19.7	19.8 20.7	20.4 20.6	18.9 19.4	19.8 20.1	17.0 16.1	15.9 15.5	16.5 15.8
20	20.8	19.5	20.0	21.8	19.8	20.8	20.7	19.8	20.3	15.5	14.9	15.2
21	21.1	19.2	20.0	21.9	20.0	21.0	20.9	19.7	20.3	15.1	14.5	14.7
21 22 23	20.6	18.4	19.6	22.0	20.7	21.4	21.2	19.7	20.3	14.7	14.2	14.4
23 24	20.9 20.6	17.6 17.0	19.2 18.5	22.1 22.4	21.0 21.1	21.5 21.8	20.6 20.8	19.8 19.7	20.1 20.3	15.3 15.0	14.4 14.5	14.7 14.8
25	20.4	17.3	18.5	22.6	21.5	22.0	20.9	19.8	20.3	15.2	14.8	15.1
26	19.2	16.4	17.9	22.5	21.5	22.1	21.0	19.9	20.5	15.8	15.2	15.5
27	18.9	16.5	17.5	22.5	20.8	21.8	21.4	20.1	20.7	16.4	15.7	16.1
28 29	19.9 20.3	16.8 17.3	18.4 18.7	21.7 21.6	19.8 19.7	20.8 20.8	21.3 21.4	20.1 20.3	20.7 20.9	17.2 16.5	16.4 15.9	16.6 16.1
30	20.3	17.3	18.9	21.8	19.9	20.9	21.4	20.3	20.9	16.2	15.9	16.1
31				21.9	21.4	21.7	21.4	20.6	21.1			
MONTH	21.2	16.1	19.2							21.9	14.2	17.5

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

							O SEPTEM					
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	OVEMBE	R	Ε	ECEMBE	R		JANUARY	
1	8.9	7.3	8.1									
2	8.4	7.7	8.1									
3 4	8.9	7.7	8.3									
5	9.2	7.7	8.6									
6												
7												
8												
10												
11 12												
13												
14 15												
16 17												
18												
19												
20												
21												
22 23												
24												
25												
26												
27 28												
28 29												
30												
31												
MONTH												
		FEBRUAR'	Y		MARCH			APRIL			MAY	
1												
1 2												
2 3												
2 3 4			 		 	 			 		 	
2 3 4 5	 	 	 	 	 	 	 	 	 	 	 	
2 3 4 5			 		 	 			 		 	
2 3 4 5 6 7 8		 	 	 	 	 	 	 	 	 	 	
2 3 4 5 6 7 8 9		 	 	 	 	 	 	 		 	 	
2 3 4 5 6 7 8 9	 	 	 	 	 	 	 	 		 	 	
2 3 4 5 6 7 8 9 10		 	 	 	 	 	 	 		 	 	
2 3 4 5 6 7 8 9				 	 	 	 		 	 		
2 3 4 5 6 7 8 9 10 11 12 13 14				 		 	 	 	 			
2 3 4 5 6 7 8 9 10 11 12 13				 	 	 	 	 	 			
2 3 4 5 6 7 8 9 10 11 12 13 14 15												
2 3 4 5 6 7 8 9 10 11 12 13 14 15						 	 					
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18							 					
2 3 4 5 6 7 8 9 10 11 12 13 14 15									 			
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21									 		 	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22										8.9 8.8	 7.7	 8.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21											 	 8.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23										8.9 8.8	 7.7	 8.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25											 7.7	 8.1 7.9
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27										8.9 8.8 		 8.1 7.9 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28										8.9 8.8 		8.1 7.9 7.4 7.2 7.0 7.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30										8.9 8.8 7.9 7.5 7.3		8.1 7.9 7.4 7.2 7.0 7.1 7.1
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29										8.9 8.8 		
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30										8.9 8.8 7.9 7.5 7.3		8.1 7.9 7.4 7.2 7.0 7.1 7.1

TENNESSEE RIVER BASIN

03460795 PIGEON RIVER BELOW POWER PLANT NEAR WATERVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		JUNE JULY						AUGUST	?	SEPTEMBER			
1 2 3 4 5	8.4 8.8 8.3	6.8 6.9 7.1	7.6 7.4 7.7	9.4 9.5 	8.0 7.2 	8.7 8.3 	7.3 8.7 8.3	6.9 7.5 7.2	7.1 8.0 7.7	8.7 8.9 7.6 8.2 9.0	7.3 7.3 6.8 7.1 7.4	7.8 7.8 7.3 7.7 8.4	
6 7 8 9 10	8.3 8.2 8.0 8.3 8.3	7.6 7.0 7.2 7.0 6.8	7.9 7.6 7.5 7.5 7.4	9.8 8.8 9.6	7.5 7.8 7.7	8.5 8.3 8.5	8.7 9.2 9.1 9.0 8.8	7.8 7.3 7.9 7.6 7.5	8.2 8.2 8.5 8.2 8.1	8.6 9.5 11.6 11.2 11.1	7.4 7.4 9.5 10.9 10.7	8.0 7.9 11.0 11.0 10.9	
11 12 13 14 15	8.1 	7.0 	7.3 	9.4 8.5 8.7 8.6 8.3	8.3 7.0 6.5 6.4 6.2	8.8 7.8 7.5 7.2 7.2	8.8 8.5 8.8 9.0 8.8	7.5 7.6 7.6 7.6 7.8	7.9 7.9 8.1 8.2 8.3	11.3 11.0 11.3 11.1 11.2	10.6 10.7 10.8 10.9 10.9	10.8 10.8 11.0 11.0	
16 17 18 19 20	 	 	 	8.2 7.8 8.6 7.9 8.0	6.1 6.0 6.3 6.1 6.6	7.3 6.9 7.5 6.8 7.1	9.0 8.3 8.6 8.2 8.5	7.4 4.9 5.4 4.7 6.9	8.1 7.3 6.6 6.6 7.7	10.9 12.4 12.1 12.1 11.7	9.9 10.2 9.6 11.1 10.2	10.6 12.0 11.6 11.8 10.9	
21 22 23 24 25	 9.2 9.1	7.3 7.6	8.4 8.4	8.7 8.9 8.6 7.9 9.1	6.5 6.4 6.6 6.5 6.5	7.3 7.0 7.3 7.1 7.4	8.7 9.0 8.8 8.7 8.8	7.1 7.5 7.6 7.3 7.2	7.6 8.0 8.0 7.8 7.9	10.3 9.8 10.1 9.8 9.7	8.6 9.6 9.6 9.6 9.4	9.6 9.7 9.8 9.7 9.6	
26 27 28 29 30 31	9.4 9.7 9.5 9.5 9.6	8.2 8.2 7.7 7.7 7.8	8.7 9.0 8.5 8.4 8.4	7.5 7.6 8.1 8.3 7.9 7.2	6.3 6.2 7.1 7.0 6.5 6.5	6.9 6.8 7.6 7.5 7.2 6.9	8.5 8.9 8.8 8.5 8.7 8.8	7.2 7.5 7.0 6.9 7.1 7.3	7.6 8.0 7.8 7.9 7.7 7.8	9.6 9.4 9.5 9.3 9.2	9.3 8.9 8.9 9.1 8.9	9.4 9.2 9.2 9.2 9.1	
MONTH										12.4	6.8	9.8	